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MULTISERVICE NETWORK PROCESSING DEVICE

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ABSTRACT OF THE DISCLOSURE:

An integrated circuit has a lookup engine, a segmentation engine, and a reassembly engine that can be used in various combinations such that a line card employing the integrated circuit is configurable to: 1) function as an ingress line card receiving data in cell and/or packet format from a network and supplying that data to the switch fabric of a router, or 2) function as an egress line card receiving data from the switch fabric and outputting that data in cell and/or packet format to a network. The switch fabric can be either a cell format switch fabric or a packet format switch fabric.

